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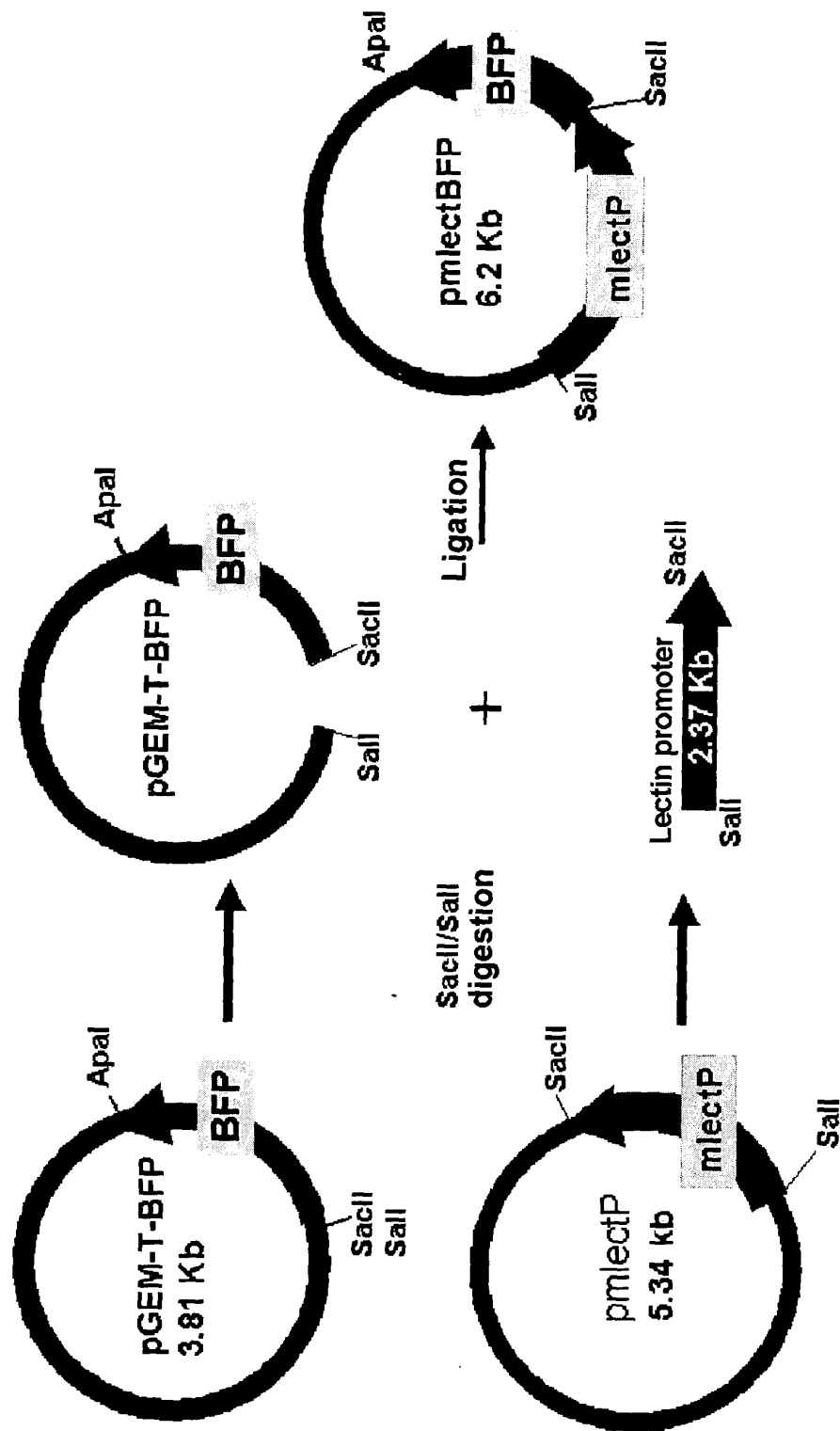
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401	tcatgatccaagctgaacacagattagattttatatattgcaataaaaataatctctctcctttagAAAAAAGTCAATCTA	
III		K N C Q S I 55
481	TTGATGCTAATCTTGTCATCTGTGCCGAGTACAATTGGAAACACAACCTTCTCCTGAGTCTGATTGTGTCTGCTAACACACGCT D A N L A S V R S T M E H N F L L S L I V S A N T R	81
561	GTTTGGATTGGTGGCCATGATGGTGAAACTgtaagtcattttgtctctgaaatgctgatattgtcatggcctagctcgaat V W I G G H D G E T	91
641	taatgc t t taattataaaactgatttttctatagataacaataactaaatgctttttgttacaatataaatgattgaatta	
721	tatcataaatgaaaaagattat tagtaaactctttgacctccctcactcat tagGAAGGACAATGGCTGTGGTCTGATGGA	
IV		E G Q W L W S D G 100
801	TCTCAATTTCACTTTACCAACTGGTGCCCTGGAGAACCTAGCAATAATTTTGGTAAGAGAAGCTGCCTGGAGATAAACTT S Q F H F T N W C P G E P S N N F G K E N C L E I N F	127
881	TACACgtaagaaagtctcatatcattattgtttttatttacaactcttaaaattctatagcattttgtattaaatttactt T Q	129
961	gtttaatgtcagaaaaatgctacgtgcagtgatttactacattcagatccc t t taacctttcagtg tt gtt att t t tgcag	
1041	cctgatggtacaattgtttgaattcatacttgggtccccataatgaaaaagtgaaaacagaattttataaatgtctgttaa	
1121	aaaatttttaaaagaaaaaatgtcacatttactgtattttaaaccaagggtgccaaactctgtcttggaggggccggtggtga	
1201	cctgtgtagtttagctctaaccacaaacacacaccaaagcagtttattaaagtc taactaagcatactagaaaacttc	
1281	tagacagggtgagctgagacaagttgaaactaaactctgcaggacaccgggcccttaggaacgagtttgggcacccctgat	
1361	ttagaccc t t t g c a a c a a c a c t t g a a a t t t g t c a g a t g c c t c t t g a t c g t g c t g a t t a t a c a t t t a t t t t a t t c a	
1441	aactacaccggtaatgatcagtgactgattttattttcatcttatccacagAGAACC GTTGCTGGAATGATCGCGATTGT	
V		N R C W N D A D C 138
1521	TCAACCACAATCAGCTACATTTGTGCCAACCTATTAGATCAtgaaaaatcaatctgtttcaaagtactatgattttact S T T I S Y I C A Q P I R S *	152
1601	acatgcctatacattttttctgatcttattctttaaactcagtatcttactgaagctttctgaaaacttctccaatcaa	
1681	taaaagcattttataaagcaaatgtttgcatgttgagtcaaaaaaattaatcatcaaattaaatacaatataaaacaaa	
1761	acaacaatacatctaaaaataacaaaaaggggtttcacaaatgaaatagtttaacctcaggttatcttaaaccccggttta	
1841	aagaatcctgggttatcttgtttcacgtttcacactgttcatacttaaccaggaggtaagaaaaataacccctgggtattcat	
1921	aatctgatgtttcacactgtgcatttctaaaccttaagttaatgttttcatttgcatatttgggggtgcagcaatttaag	
2001	gaagtttcttcacctccctcatttagcatccagacagcagaagtagggaactgagcagcgttcatgactgagggttctcttca	
2081	gaacaactgaagtacattgagactaatccatgtaagagattcctccacagccagtggcaggtttaccatttttgggggtcc	
2161	taagcaaagtccaagaaccgggggcccccatgcccagcattgcccaagggttttcatttgaattgcacaacaataacat	
2241	tcagtatacagaattaaagttagatatataataaaccgggtttatttagttgtaccctgcttaaagtaacactaaattgtta	
2321	cagtatgacaaaagattcttatagattcatatatagatgtcttaggatgtatttaaacaatgtaattaaactgcgaactt	
2401	cagtgctcgacatcttactaaaaaaaaactaaatgaggaaaaagagggaagcattagattatgatcagactgggtctaacaaa	
2481	caccagcaaacaatatgttaagttgggttaatgcttgaccttaatggatgggaatcacataactctcatgttcatttgcaa	
2561	aaacaaacttactgtgagatacaacaagcatatagactagacatacacaaagatgagattttaatgacaatgatgagat	
2641	acagaatatgatttatgtattttcgacatgtgtgggtgtctttatcatgttaataacctgtacgagcatggaacaaaagatg	
2721	cgtagaatgttgtgcagttatgagagcaaaagatagagtcgtgtgagcgc t cattccagcacttgtgtggctgcattttgtgc	

FIG. 2C

2801 gcgctgagcagaggccgcttcccgtagagctcggtcatgaagtagcctttatgtgcccttgcaaggatgtgggcaaa  
 2881 tattatctgcgtgcatactcacacatctccctcgacgtgctttatccgtaccttagatttgggtctgaataaacct  
 2961 aacatactttcgcacaccttgtggccagtagggggccccaagcctgcggggccctacgcaattgcatgggttgcgtgggtg  
 3041 ggtaaacacgccactgggtacattgcaagatactttgtaaaaaaatgttaatctgttaatagtgccctattttaacaatc  
 3121 taagtgcattggtctaaagtgcaaaaggggttgcctaatccactctgctaattaacgacgggacaaaatttggggcgt  
 3201 ctagcgacgtctttaaaggggtgttccattctagtaatgagtaatgggtgtgttttgggcatgagttcgattcaatgt  
 3281 ttttatataaagctttcaccaatgtttaattgtttcaaagcagctttacattaaaatatattactgttttttaaa  
 3361 ctgatgtaagattgacacgaacagtgtattgtgattgtatgtgcatcaaggcaaggcaagttatttgtatagcacatt  
 3441 tcatacacagagggtcatcaagggtgctttacatagaatgagaaacaatatagagaaaaaagtagtagaaaaaaat  
 3521 caaagatacatttgaatttaaaatatcaattaaaagaaaaataaagtgtattttaatagaaactggttaaatgtgtgaaaa  
 3601 aaataaagtataaaacagtaaaaaaaaattattattatttagctcagtgaggaccatatacaggttgacaggagtgcttc  
 3681 ggacaacctgacaattgtcagaatagatcagagaattgcctggaaataaacitttgaagtaagaatgtctattattattg  
 3761 tttttattataatcttaacattttataggatttagtacacaataagccagtttagctgtcagaaaaatgtacgtgcagtg  
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 3921 gtgattttcacatgggcaaccattgggttagtagtatgccatacacaggacacatagaggtttcagaagtacatgctgggac  
 4001 caaagagaccttattagtactgtcacggtaggaaatccctctgtttccctccgtgtcatgtttgtgtgtgtgtgtttgtt  
 4081 actctctgctctgccatgtgctcggttaggctgatgtcgtccactgtgtgttgattggctcgtccagctgctcatcatt  
 4161 acatctccctccataaaatactcacatgactctctgttccctgccagatgatcactttctgtttggctcctcggtgtgtgtg  
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 4321 acagctcggattcaccactgctcaccactccaccaacgcccgcactcaataaccacctaccaccgtagctcctcgtcaccat  
 4401 tgccaacaacacccggacatttccgtctgtgtcatttctctctctgtgtttataaaataacattgtgttttaccctgcaa  
 4481 ttgcttccgctcagttcgtgtcattacagaatcatctggccatacatggaagcagcaggagaccaaccacggccacgct  
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 4641 caatgatgacgaagggtccgagctctctcagcgttccctcatccttcgccctccactgcgccacccacaccgcccgc  
 4721 ccattctctccccaaggggtgggtttccctccggagccccgatcaccgatccctgagaaatctccggtgagccaaat ta

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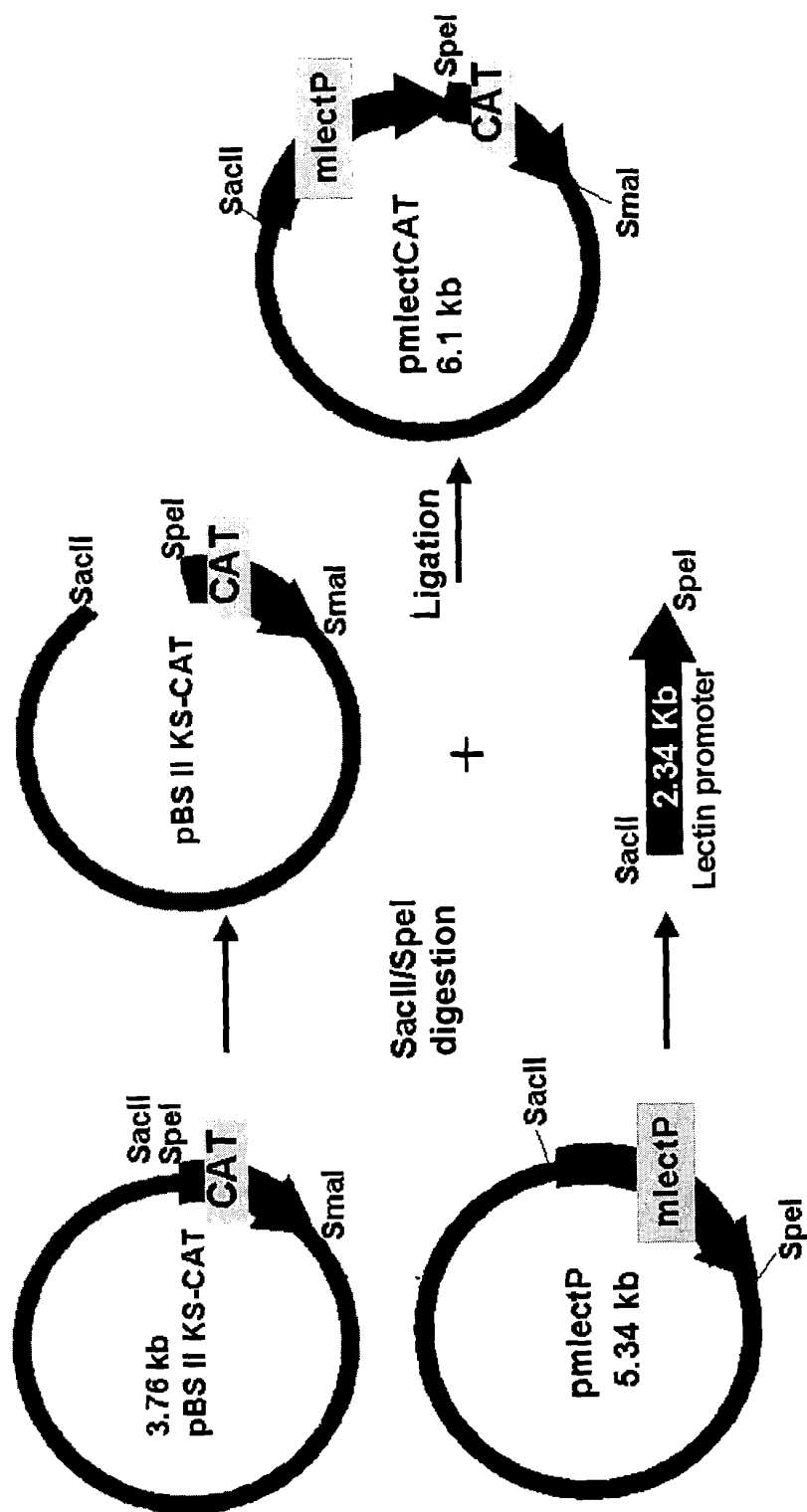


FIG. 5A

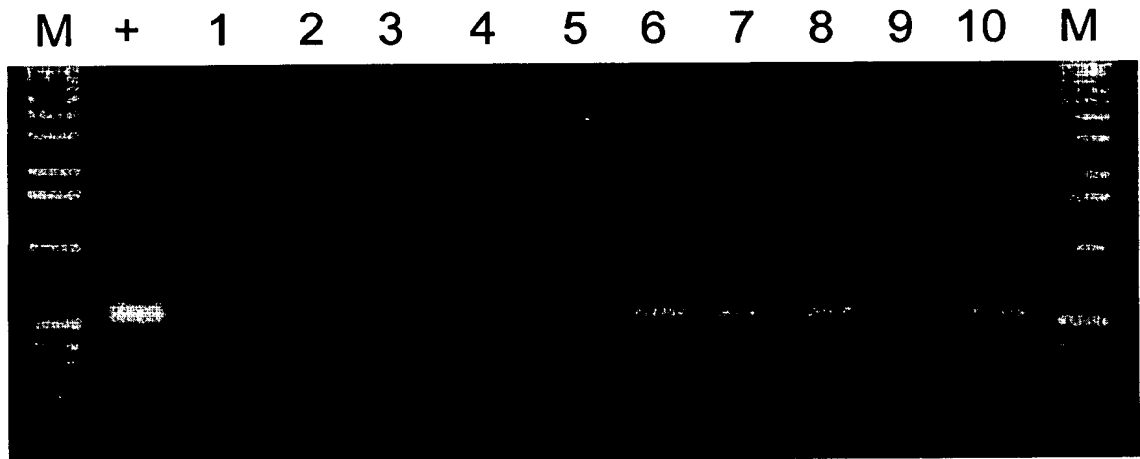


FIG. 5B

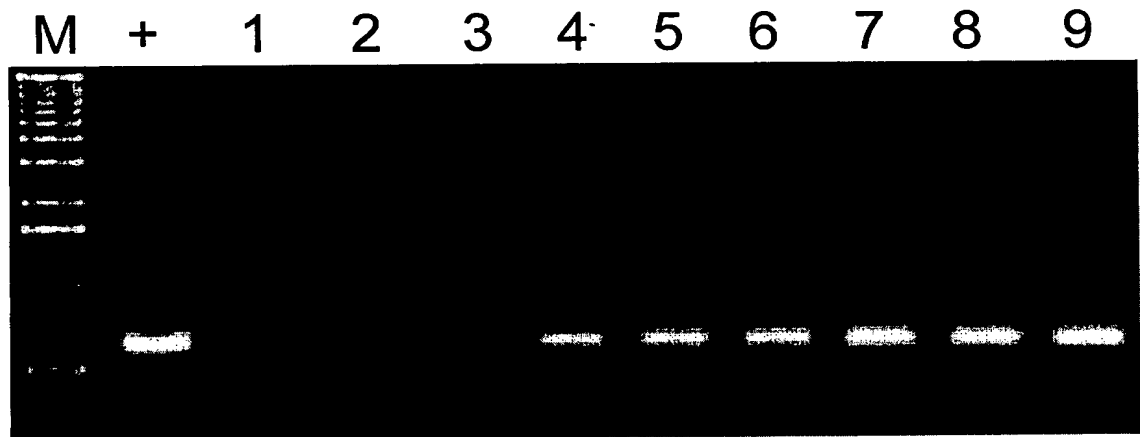


FIG. 6A

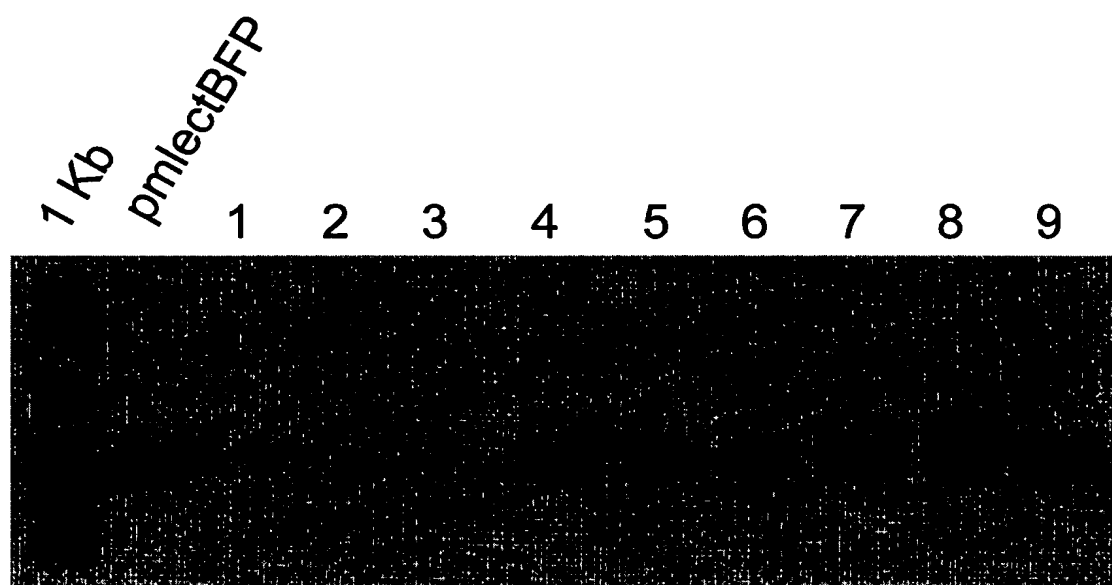


FIG. 6B

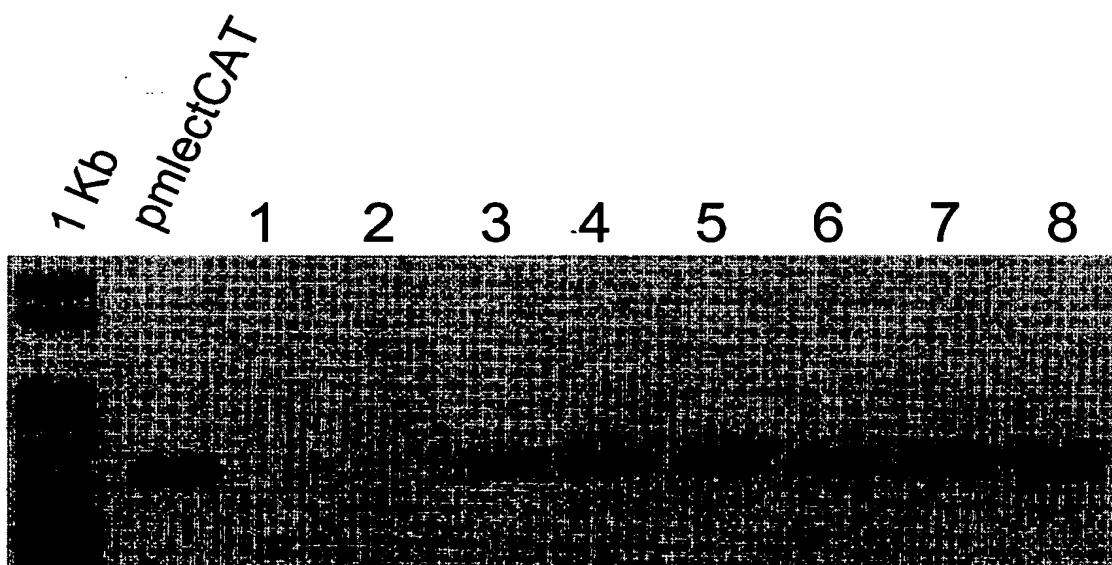
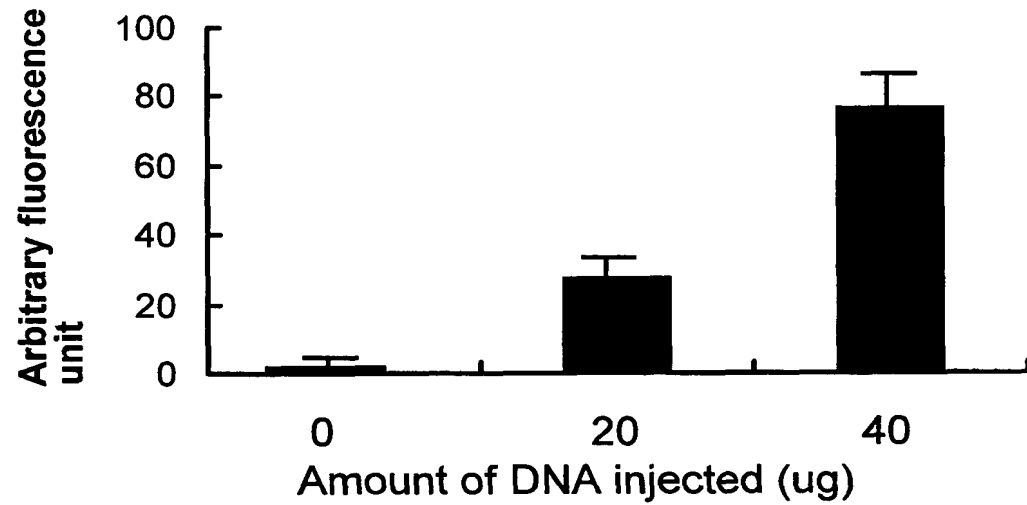




FIG. 7

pmlectBFP



pmlectCAT

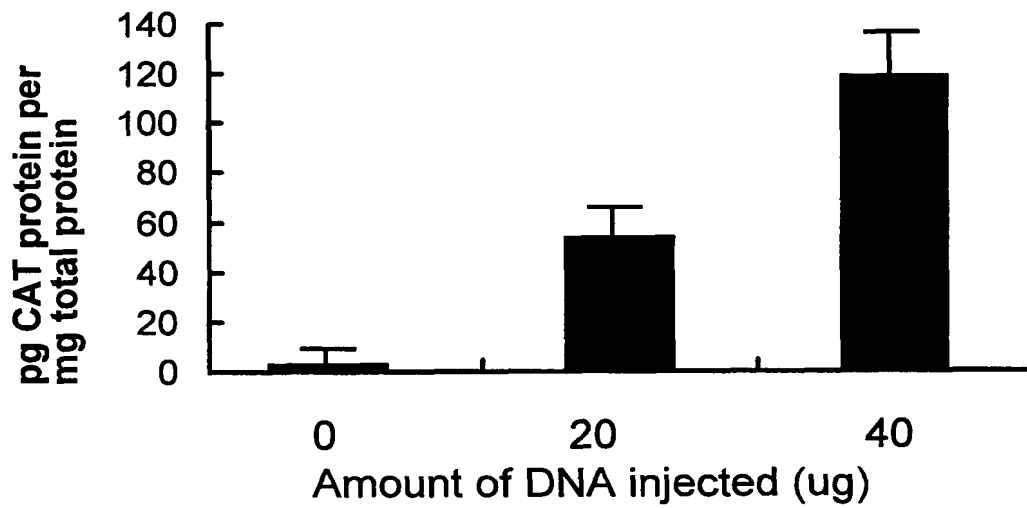
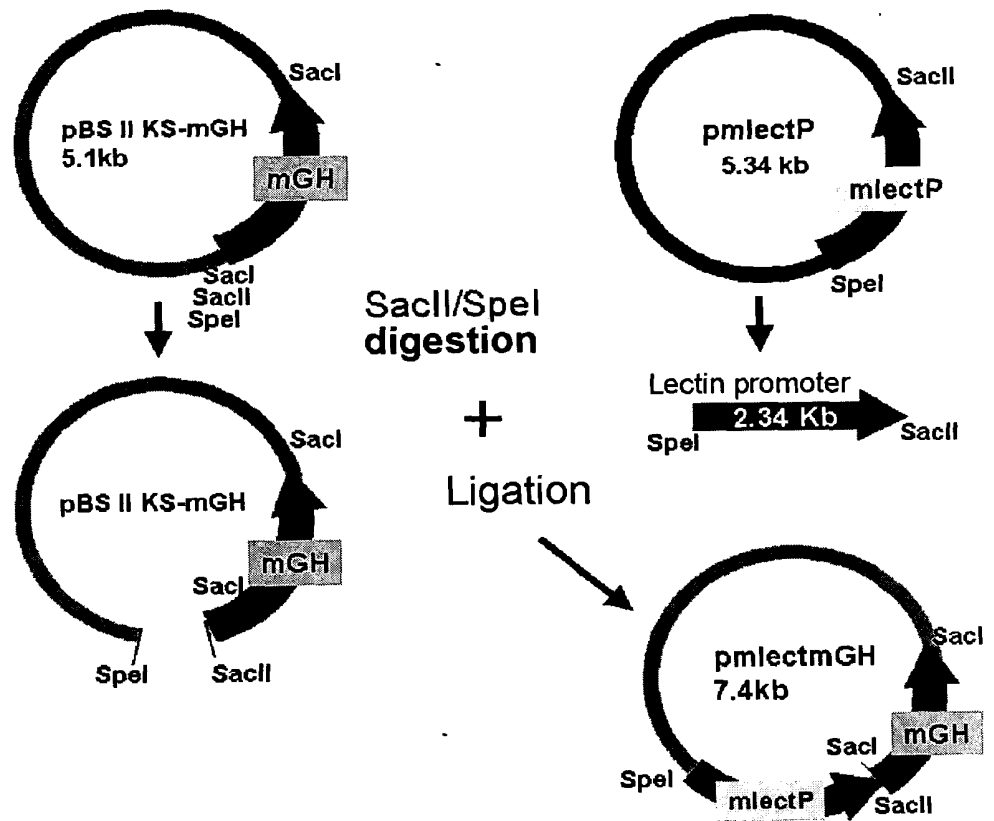
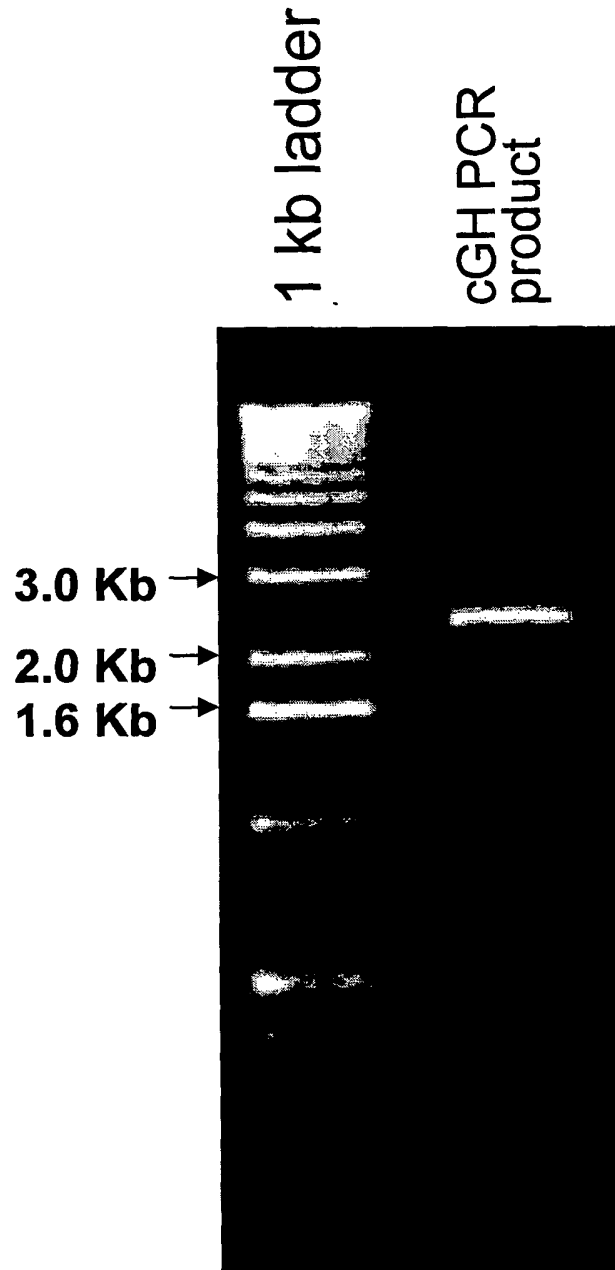


FIG. 8



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FIG. 9



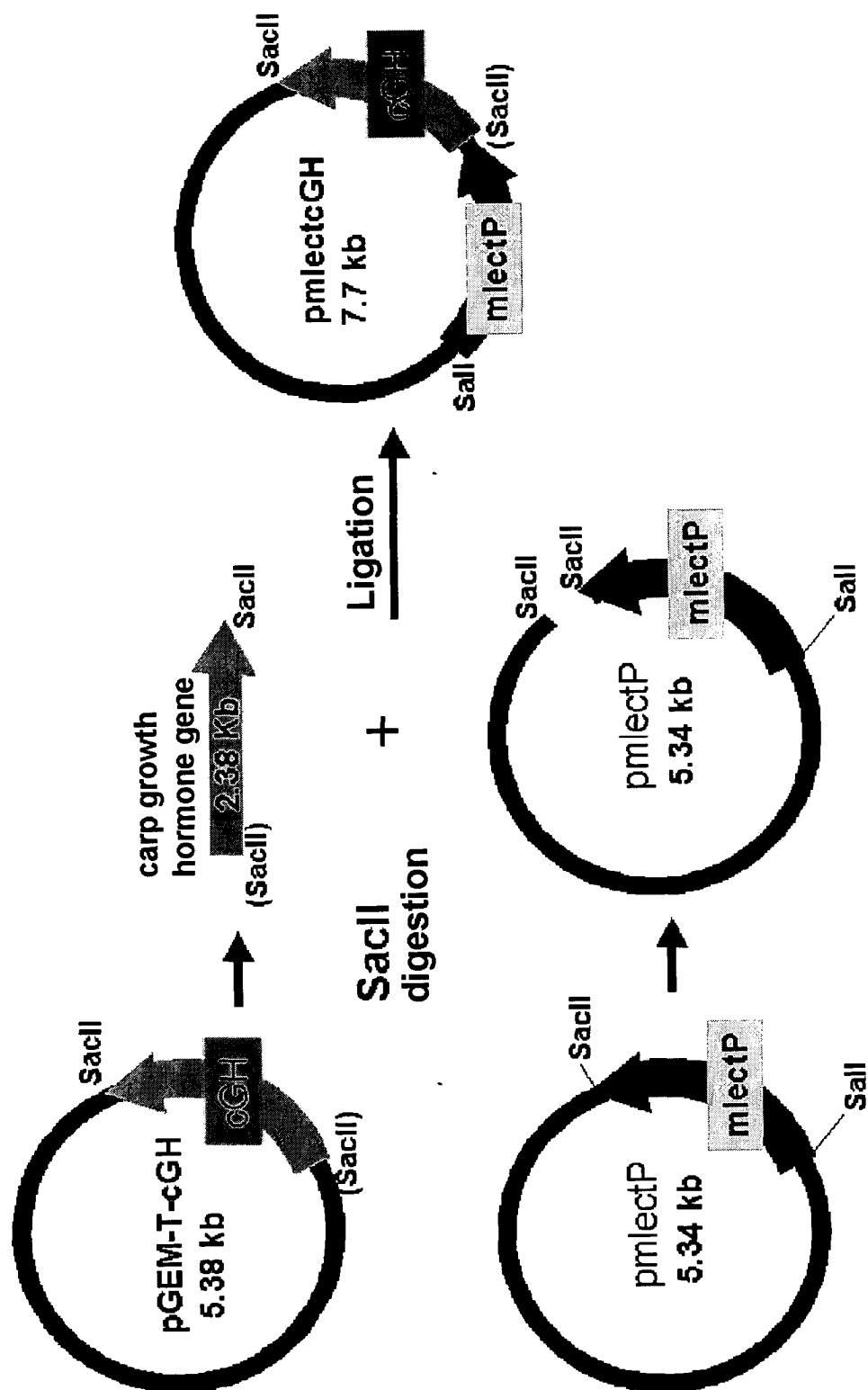


FIG. 11

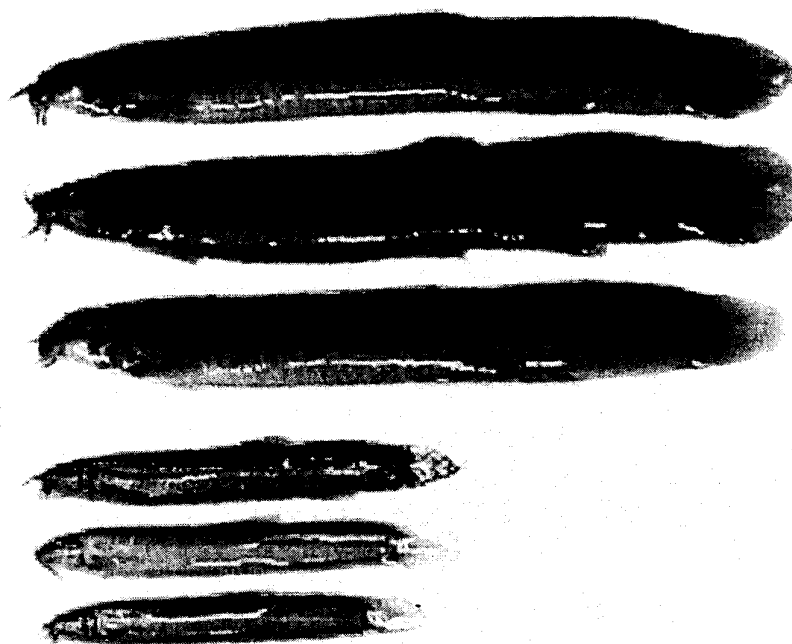


FIG. 11

FIG. 12

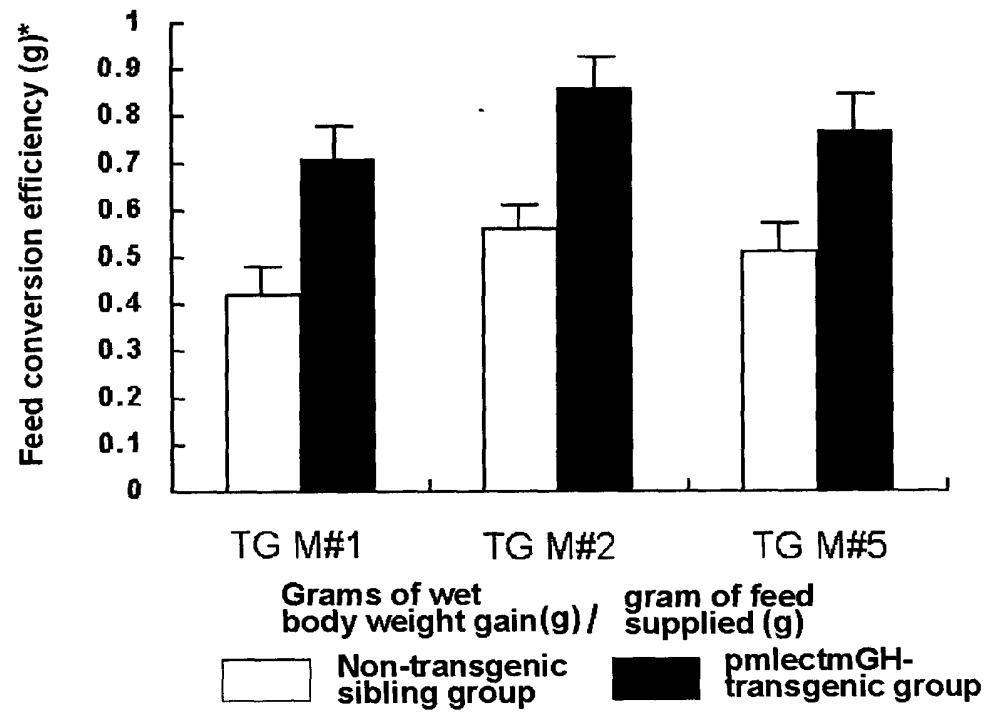
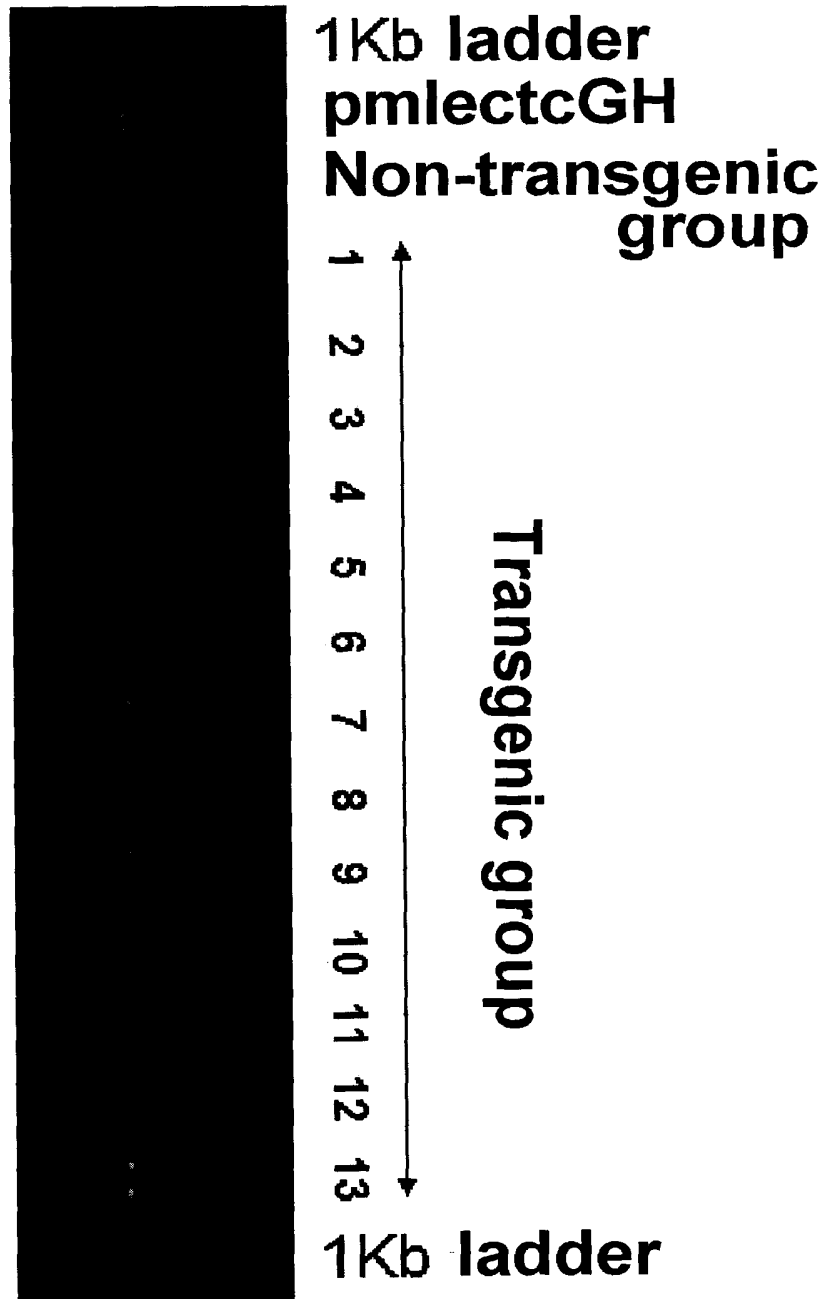
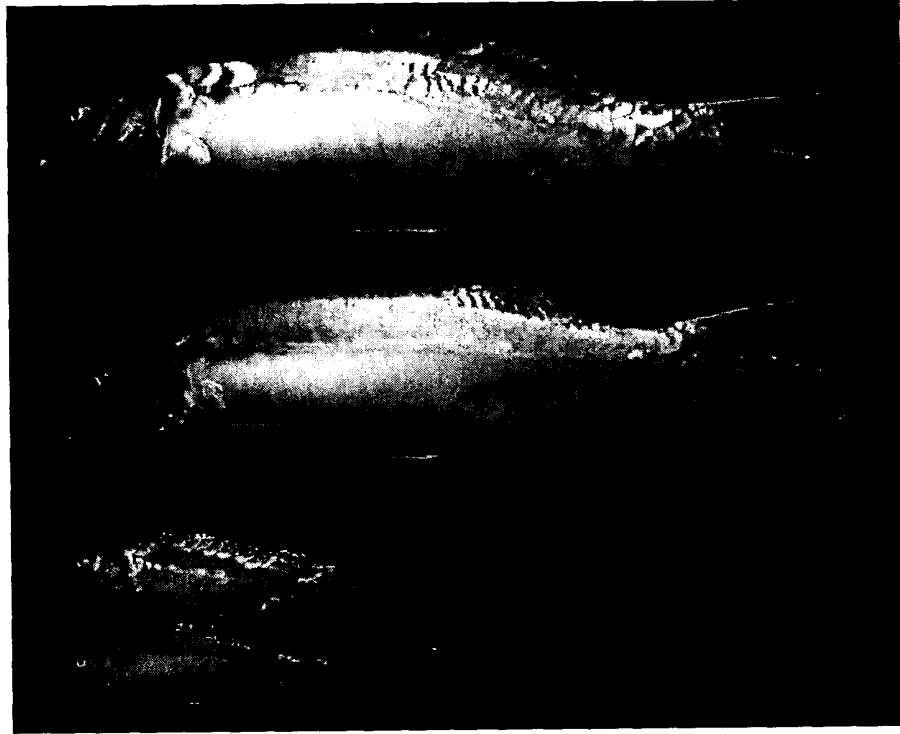


FIG. 13



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FIG. 14



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FIG. 15

